

ABSTRACT

This invention describes a fuel purifier that is generally an elongated hollow cylinder. The fuel purifier has a fuel inlet, a fuel outlet, an air bleed or priming means located on the top cap of the fuel purifier, a collection sump exit located on the bottom cap of the fuel purifier. The fuel is directed against a bifurcating plate that starts the initial separation of the contaminants of the fuel. The fuel then passes through a first and second perforated plate that further causes contaminants to separate out of the fuel suspension, and eventually collect in the collecting sump exit. The fuel impacts against a separator plate, where the separator plate causes even further separation of the contaminants. The fuel fills the fuel purifier and collects in an angled collector plate which directs the purified fuel to the fuel outlet.